

ABSTRACT OF THE DISCLOSURE

A method and apparatus for utilizing seismic data contemporaneously across multiple seismic domains is disclosed. The method comprises kinematically linking a first point in a set of seismic data having at least three-dimensions in a first seismic domain with a second point in the set of seismic data in a second seismic domain related to the first seismic domain by a velocity model in time or in depth. The apparatus includes, in various aspects, a program storage medium encoded with instructions that, when executed by a computer, perform such a method and a computer programmed to perform the method.